

# INDEPENDENCE PARKWAY SAMPLING AND ANALYSIS PLAN

## Independence Parkway Assessment

In an effort determine potential impact from the ITC fire along Independence Parkway and Vista Road, a maximum of 24 surface soil samples will be collected and analyzed. Two initial surface soil samples will be collected in the roadside ditch on the east and west side of Independence Parkway and south of Tidal Road in close proximity to the ITC facility. Two initial surface soil samples will be collected in the roadside ditch on the north and south side of Tidal Road and west of Independence Parkway, and two initial surface soil samples will be collected from the roadside ditch on the east and west side of Independence Parkway and north of Tidal Road. These surface soil samples will be field screened for organic vapors using a photo-ionization detector (PID) or equivalent. Up to four additional surface soil samples will be collected from the roadside ditch along Independence Parkway south of the two initial surface soil samples, up to six additional surface soil samples will be collected from the roadside ditch along Tidal Road west of the initial surface soil samples and up to Tucker Bayou, and up to four additional surface soil samples will be collected from the roadside ditch north of the two initial surface soil samples collected north of the Independence Parkway and Tidal Road intersect. These additional samples will be collected based upon diminishing organic vapor field screening readings. To establish background soil concentrations for this area, one surface soil sample will be collected from the public roadside ditch north of State Highway 225.

The samples will be submitted to the laboratory and analyzed for the COC list below:

- VOCs by EPA Method 8260B;
- SVOCs by EPA Method 8270C;
- TPH by Texas Method 1005;
- RCRA 8 Metals by Methods 6010 and 7471;
- PFASs by EPA Method 537 or ASTM D7979

Duplicate samples will be collected at a ratio of one per every ten samples. To assist with the laboratory accuracy and precision and in accordance with EPA guidance, one matrix spike (MS)/ matrix spike duplicate (MSD) sample will be collected at a ratio of one to twenty samples.

All samples will be properly containerized in sterile laboratory provided containers and kept on ice in laboratory provided coolers until submitted for analysis. Media samples will be submitted for analysis to ALS Laboratories (ALS) in Houston, Texas with a "Rush" turnaround time (TAT).

In addition to the duplicate and MS/MSD soil samples, one aqueous field blank (FB) will be collected, one equipment blank (EB) will be collected at the end of each sampling day, and one trip blank will be provided for each cooler containing VOC, SVOC, and PFAS samples for storage and transportation.